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(54) PISTON SUPPORTING STRUCTURE OF INTERNAL COMBUSTION ENGINE

(57) Abstract:

PROBLEM TO BE SOLVED: To improve the lubricating ability of a piston pin, by forming a relief groove extending in the axial direction to the inner peripheral surface of a piston pin hole formed to a piston, and an oil feeding passage to feed the lubricating oil to the piston pin hole, and opening the oil feeding passage facing the relief groove.

SOLUTION: A piston 1 has a top 11 to partition a combustion chamber; a land 15 forming piston ring grooves 12 to 14; a skirt 16 continued at the lower part of the land 15; and a pair of bosses 10 to fit a piston pin; and a piston pin hole 2 is formed to the boss 10. And two lines of relief grooves 3 are formed on the inner peripheral surfaces of the piston pins 2, and the relief grooves 3 are formed by sinking to the inner peripheral surface of the piston pin holes 2, and extending in the axial direction. Consequently, the relief grooves 3 partition a space between the piston pin, take in the lubricating oil scattered in the crank case, and can feed the lubricating oil to the sliding

part between the piston pin holes 2 and the piston pin.

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